



PO Box 2620
Ballston Spa, NY 12020
Ph : 518 885-0060

Letter of Transmittal

To: Chris Williams
VTRANS
61 VALLEY VIEW
MENDON, VT 05701
Ph: (802)786-3812 Fax: (802)786-3810

Transmittal #: 4

Date: 2/27/2015

Job: M117 VTRANS CASTLETON BRF 015-2(10)

Subject: Submittal

WE ARE SENDING YOU

- | | | | |
|---|--|---|----------------------------------|
| <input checked="" type="checkbox"/> Attached | <input type="checkbox"/> Under separate cover via the following items: | | |
| <input checked="" type="checkbox"/> Shop drawings | <input type="checkbox"/> Prints | <input type="checkbox"/> Plans | <input type="checkbox"/> Samples |
| <input type="checkbox"/> Copy of letter | <input type="checkbox"/> Change order | <input type="checkbox"/> Specifications | <input type="checkbox"/> Other |

Document Type	Copies	Date	No.	Description
Submittal	1		531.17-1 Rev 1	Bearings BR 93

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input checked="" type="checkbox"/> Resubmit ___ copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit ___ copies for distribution |
| <input checked="" type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return ___ corrected prints |
| <input checked="" type="checkbox"/> For review and comment | <input type="checkbox"/> Other | |
| <input type="checkbox"/> FOR BIDS DUE | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US | |

Remarks: Please see attached revised Bearing submittal from our supplier D S Brown

Copy To: Jennifer Fitch (VTRANS), KEVIN TURE (W.M. SCHULTZ CONSTRUCTION)

From: MIKE GARN (W.M. SCHULTZ CONSTRUCTION)

Signature:



PO Box 2620
Ballston Spa, NY 12020
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Submittal

Job: M117
VTRANS CASTLETON BRF 015-2(10)

Spec Section No: 531.17
Submittal No: 1
Revision No: 1
Sent Date: 2/27/2015

Spec Section Title:

Submittal Title: Bearings BR 93

Contractor:
W.M. Schultz Construction, Inc

Contractor's Stamp

SCHULTZ CONSTRUCTION, INC.
CONTRACT NO. BRF 015-2(10)
SUBMITTAL TITLE Bearings
ITEM & SECT. NO. 531.17
LOCATION OF WORK VT RT 30
SUB NO. 1R **DATE** 2/27/15
REVIEWED BY MG

VTRANS
Chris Williams

Architect's Stamp

Engineer's Stamp

DS Brown Company
300 East Cherry Street
North Baltimore, OH 45872
(419) 257-3561
(419) 257-0332 [Engineering Fax #]



Date: February 26, 2015

Wm Schultz Construction Inc
Kevin Ture
P.O. Box 2620
Ballston Spa, NY 12020
Telephone #: (518)-885-0060

DSB Project #: 46246-1103-1
Description: VT Route 30, Bridge 93
Owner Project #: 12B138
County, State: Rutland County, VT

The following documents are being submitted for:

- ☒ Approval
- ☐ Distribution
- ☐ Per your Request
- ☐ Information

Drawings submitted via:

- ☐ via FedEx
- ☒ via e-mail to Kture@wmschultz.com

# of Copies	Sheet #s	Document Size	Description
1	1	11" x 17"	"Elastomeric Bearing" Shop Drawing

Our records show that we have not received a Purchase Order for this material. Please make sure that your Purchase Order is sent to DS Brown as soon as possible so that the release to Fabrication will not be held.

If you have concerns or questions about the content of this submittal, Erica Kelley is the Project Engineer and can be reached at (419) 257-5493 or ekelley@dsbrown.com.

Please forward the enclosed documents to the appropriate party for review. Return the reviewed documents to DS Brown as soon as possible. Note that once drawings are returned, 8-10 weeks will be required for product fabrication. Your assistance in expediting the approval process would be appreciated.

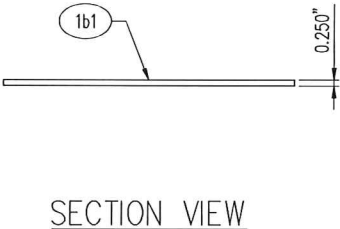
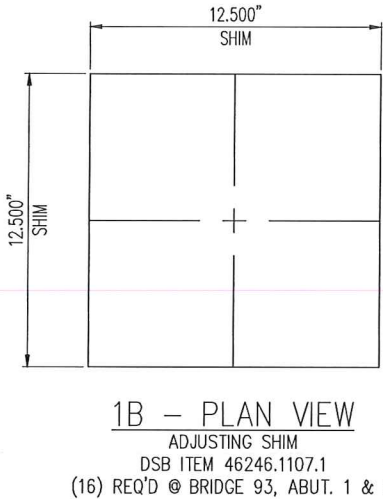
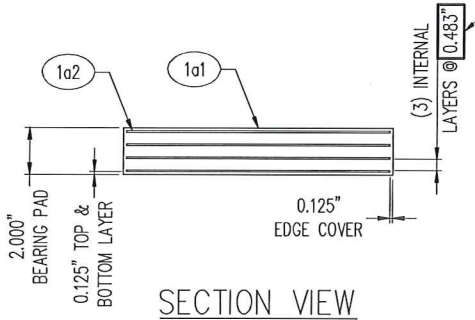
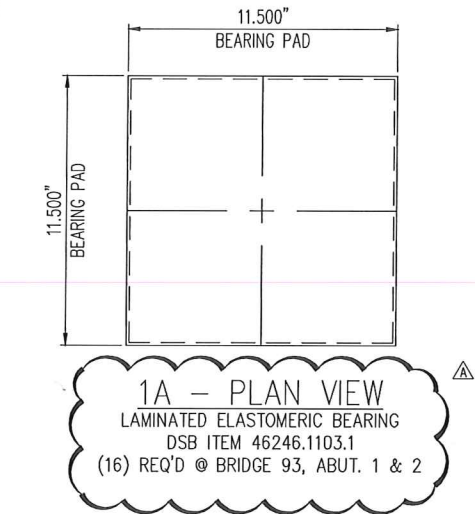
Remarks:

Please return the review documents to LuAnn Hayfield, Engineering Administrator @ (419) 257-3561 or lhayfield@dsbrown.com.

GENERAL NOTES:

1. MATERIALS SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011 AND THE LATEST REVISIONS, INCLUDING SUPPLEMENTARY SPECIFICATIONS, CONTRACT PLANS, AND THE SPECIAL PROVISIONS. GENERAL SHOP PRACTICES, STRUCTURAL FABRICATION, WELDING AND ASSEMBLY SHALL BE GOVERNED BY ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.
2. THIS SHOP DRAWING WAS PREPARED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS. THE D.S. BROWN COMPANY DOES NOT ACCEPT LIABILITY FOR THE DESIGN OF THE PRODUCTS DETAILED IN THIS SHOP DRAWING.
3. THE D.S. BROWN COMPANY TO SUPPLY ONLY THE PARTS SHOWN ON THIS DRAWING.
4. THE BEARINGS SHALL BE SUBJECT TO RANDOM IN-HOUSE ELASTOMER TESTING AND IN-HOUSE PROOF LOAD TESTING IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 14 (METHOD 'A') AND AASHTO LRFD CONSTRUCTION SPECIFICATIONS SECTION 18.
5. BEARINGS SHALL BE TESTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
6. WELDING PROCEDURES, IF APPLICABLE, SHALL BE ESTABLISHED BY THE CONTRACTOR TO RESTRICT THE MAXIMUM TEMPERATURE REACHED BY SURFACES IN CONTACT WITH THE ELASTOMER TO 200°F (93°C). TEMPERATURES SHALL BE DETERMINED BY TEMPERATURE INDICATING WAX PENCILS OR OTHER SUITABLE MEANS.
7. ALL STEEL SHALL BE PRODUCED IN THE UNITED STATES OF AMERICA.
8. ALL CORNERS AND EDGES OF STEEL PLATES SHALL BE GROUND TO A 1/16" RADIUS FOR GALVANIZING.
9. ALL EXTERNAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M111 AND M232 (ASTM 123 & 153) SPECIFICATIONS. IN ACCORDANCE WITH SECTION 726.08 OF THE STANDARD SPECIFICATIONS, REPAIR DAMAGED HOT DIPPED GALVANIZING PER ASTM A780, ANNEX A2. THE PAINT USED IN THE REPAIR SHALL BE ORGANIC-ZINC, CONTAINING 92% MINIMUM ZINC BY WEIGHT IN THE DRY FILM. THE PAINT SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS TO A THICKNESS EQUIVALENT TO THE SURROUNDING GALVANIZING.
10. GALVANIZATION LIFTING DEVICES MAY BE WELDED TO PARTS IF NECESSARY. WHEN THEIR USE IS COMPLETE, REMOVE AND GRIND FLUSH ALL CONNECTION LOCATIONS. REPAIR AREA PER ASTM A780, ANNEX A2.
11. BEARING MANUFACTURING FACILITY AND REPRESENTATIVE FOR COORDINATING PRODUCTION:
THE D.S. BROWN COMPANY
300 EAST CHERRY STREET
NORTH BALTIMORE, OHIO 45872
CSR - MARCIE THOMPSON - (419) 257-3561

PLATES WITHOUT HOLES NEED A WASHER
WELDED TO THEM TO BE LIFTED IN AND
OUT OF GALVANIZING BATH.



MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
1A	16	ELASTOMERIC BEARING	46246.1103.1			21	A
1a1	16	2.000" X 11.500"	NATURAL RUBBER	11.500"	60+/-5 DURO GR.4	11	A
1a2	64	14 GA. X 11.250"	A1011 GR 36	11.250"	PLAIN	3	A
1B	16	ADJUSTING SHIM	46246.1107.1			11	
1b1	16	0.250" X 12.500"	A709 GR 36	12.500"	A123-HDG	11	
		*Approx. Gross Wt. Lbs Per Single Unit			2/25/2015 1:53:48 PM		

TOLERANCE TABLE	
DESCRIPTION	TOLERANCE (INCHES U.N.O.)
ELASTOMERIC BEARING DESIGN THICKNESS ≤ 1.250"	-0, +0.1181
ELASTOMERIC BEARING DESIGN THICKNESS > 1.250"	-0, +0.2362
ELASTOMERIC BEARING PLAN DIMENSIONS ≤ 36"	-0, +0.2362
ELASTOMERIC BEARING PLAN DIMENSIONS > 36"	-0, +0.4724
THICKNESS OF INDIVIDUAL LAYERS OF ELASTOMER (LAMINATED BEARINGS ONLY) AT ANY POINT WITHIN THE BEARING	±0.1181
VARIATION FROM A PLANE PARALLEL TO THE THEORETICAL SURFACE (AS DETERMINED BY MEASUREMENTS AT THE EDGE OF THE BEARINGS) (PARALLELISM):	
TOP & BOTTOM	±0.005 RAD
SIDES	±0.2362
POSITION OF EXPOSED CONNECTION MEMBERS	±0.1181
ELASTOMERIC COVER: TOP & BOTTOM	-0, +0.1181
ELASTOMERIC COVER: SIDES	-0, +0.1181
ELASTOMERIC BEARING HOLE OR SLOT SIZE	±0.1181
ELASTOMERIC BEARING HOLE OR SLOT LOCATION	±0.1181



THE D.S. BROWN COMPANY
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332
WWW.DSBBROWN.COM



REMOVE SAMPLES, REVISE ELASTOMER GRADE IN BOM	2/25/15	CMM	EAK
REV. DESCRIPTION	DATE	DET.	CKD.
LOCATION — VT ROUTE 30	ITEM	QUANTITY	
BRIDGE — BRIDGE 93	—	—	
PROJECT —	—	—	
F.A.P. NO. — BRF 015-2(10)	—	—	
P.O. NO. —	—	—	
DESIGNER — VANASSE HANGEN BRUSTLIN, INC.	—	—	
CUSTOMER — W M SCHULTZ CONSTRUCTION INC	—	—	
DESCRIPTION	SCALE	DRAWN BY	CHECKED BY
VERSIFLEX ELASTOMERIC BEARING	N.T.S.	CMM	EAK
RUTLAND CO., VT	PROJECT NUMBER	PRODUCT CODE	RELEASE
	46246	1103	1
			SHEET
			01